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Intelligent **data** staging with overlapped execution of **grid** applications

Y Machida, S Takizawa, H Nakada, S Matsuoka - Future Generation Computer Systems, 2008 - Elsevier

... the same file is being staged to **jobs** that are invoked (**near**-)simultaneously on ... and then **data**-intensive task could be scheduled to **prestage** the input **data**. ...

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Data placement for scientific applications in distributed environments - *[wisc.edu](#) (PDF)

A Chervenak, E Deelman, M Livny, MH Su, R Schuler, ... - Grid Computing, 2007 8th IEEE/ACM International Conference ..., 2007 - ieeexplore.ieee.org

... try to **schedule jobs** on or **near** nodes where ... in an additional input file for each **job** in the ... the time it takes to asynchronously **prestage data** versus letting ...

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The **Grid** 2003 Production **Grid**: Principles and Practice - *[brown.edu](#) (PDF)

I Foster, J Gieraltowski, S Gose, N Maltsev, E May ... - High Performance Distributed Computing: Proceedings of the ..., 2004 - doi.ieeecomputersociety.org

... included a search for **near** earth asteroids ... that prevented perfect completion (**pre-stage**, **job** execution producing ... a portion of the monitoring **data** logged during ...

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[PDF] *[Computation Scheduling and Data Replication Algorithms for Data Grids](#)

K Ranganathan, I Foster - INTERNATIONAL SERIES IN OPERATIONS RESEARCH AND MANAGEMENT ..., 2003 - info.mcs.anl.gov

... **data** centers or to **data** centers **near** potential users ... such systems and their applicability to **Grid data** management ... This helps to **pre-stage** clusters of files that ...

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[PDF] *[Dynamic Grid Replication Strategybasedon Internet Hierarchy](#)

SM Park, JH Kim, YB Ko - dmc.ajou.ac.kr

... that are likely to be used in the **near** future ... **grid** site has enough storage space to **pre-stage** large portion ... when our BHR strategy is applied to **data grid** as an ...

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Multi-Replication with Intelligent Staging in **Data**-Intensive **Grid** Applications

Y Machida, S Takizawa, H Nakada, S Matsuoka - The 7th IEEE/ACM International Conference on Grid Computing, 2006 - doi.ieeecomputersociety.org

... same file is being staged to **jobs** that are invoked (**near**-) simultaneously, and ... and then **data**-intensive task could be scheduled to **pre-stage** the input **data**. ...

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[PDF] *[On the Use of NSGrid for Accurate Grid Schedule Evaluation](#)

B Voickaert, P Thysebaert, M De Leenheer, F De ... - users.atlantis.ugent.be

... to model **jobs** which ei- ther **pre-stage** all **data** or ... In the **near** future, we plan to investigate the ... and **Data Scheduling Algo- rithms for Data Grids**", Journal ...

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A data placement service for petascale applications - *[jui.edu](#) (PDF)

AL Chervenak, R Schuler - ... international workshop on Petascale **data** storage: held in ..., 2007 - portal.acm.org

... placed on fast storage systems **near** computational resources ... we were able to successfully **prestage** necessary **data** ... J., Proactive replication for **data** durability. ...

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On the Convergence of Computational and **Data** Grids

DC Arnold, SS Vahdiyar, JJ Dongarra - Parallel Processing Letters, 2001 - worldscinet.com

... is for the human user of the application to manually **pre-stage data** at or **near** server resources ... to a compute server; it sends computations to a **data** server. ...

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[PDF] • [IPG Power Grid Overview](#)

T Hinke - 2003 - ntrs.nasa.gov

... The **Near Future Grid** ... a single command – Access **data** on remote systems – Move **data** from one ... execute a **job** • Set of files to **pre-stage** • Executable to ...

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Key authors: [I Foster](#) - [E Deelman](#) - [L Grundhoefer](#) - [D Adams](#) - [N Kuropatkin](#)

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